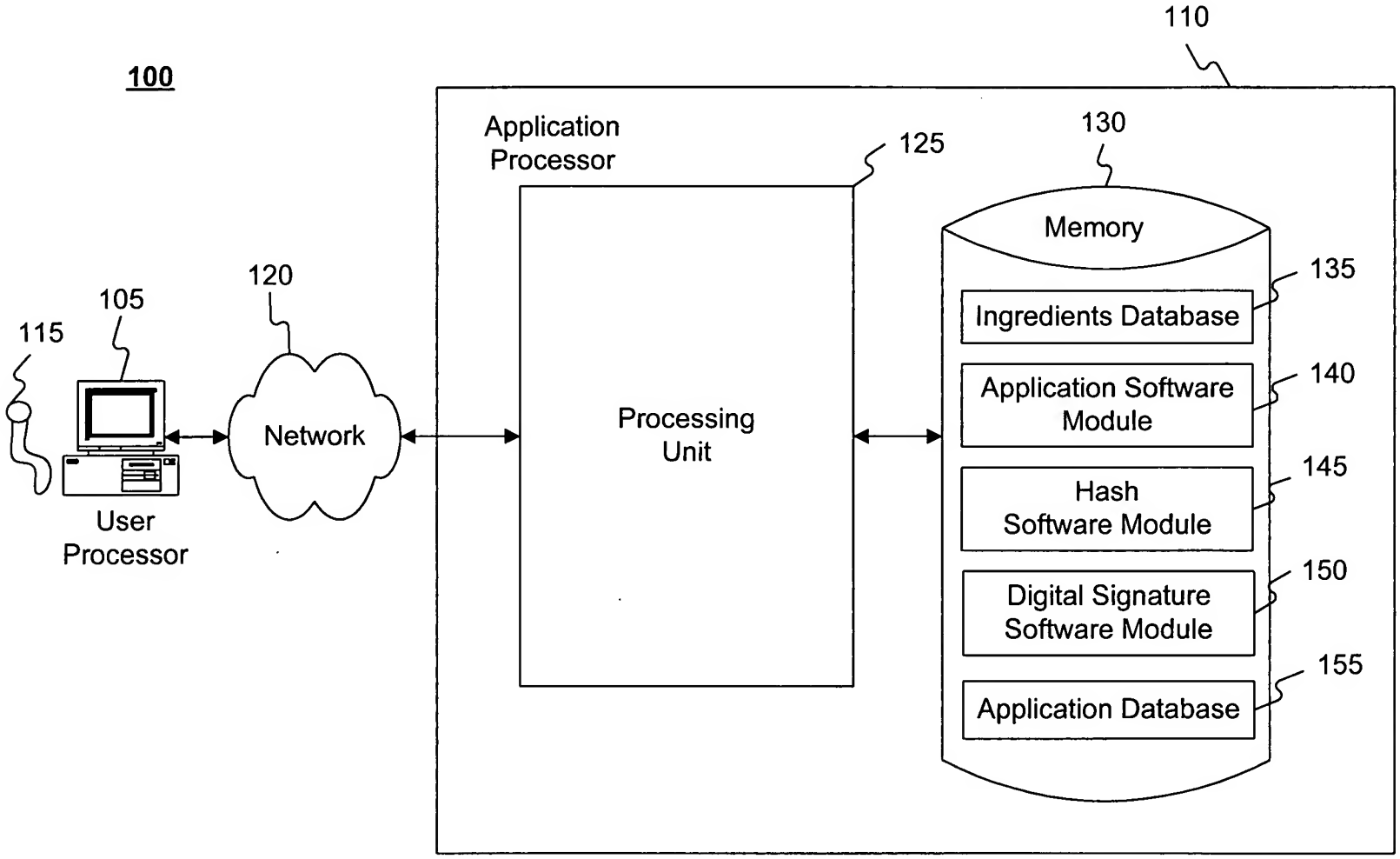
100
110
Application Processor
125
130
Memory
135
Ingredients Database
140
Application Software Module
145
Hash Software Module
150
Digital Signature Software Module
155
Application Database
Processing Unit
120
105
115
Network
User Processor

FIG. 1A

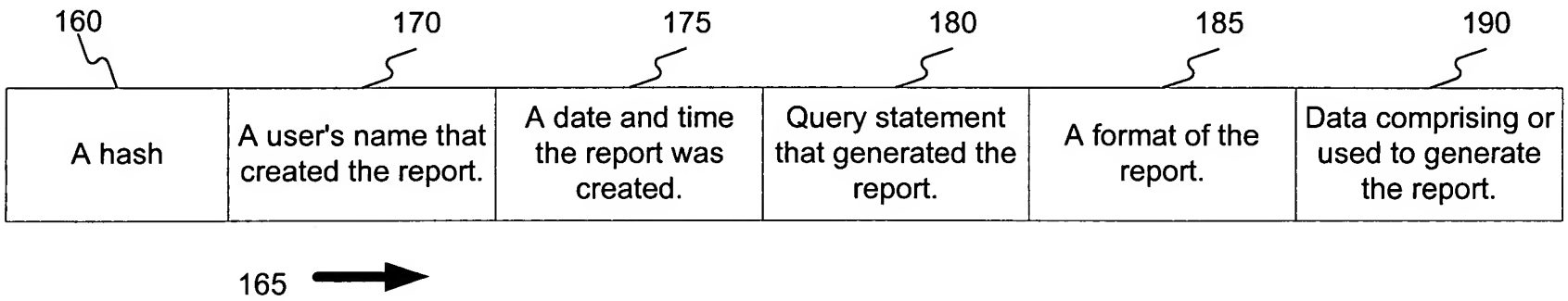
160
170
175
180
185
190
A hash
A user's name that created the report.
A date and time the report was created.
Query statement that generated the report.
A format of the report.
Data comprising or used to generate the report.
165

FIG. 1B

200

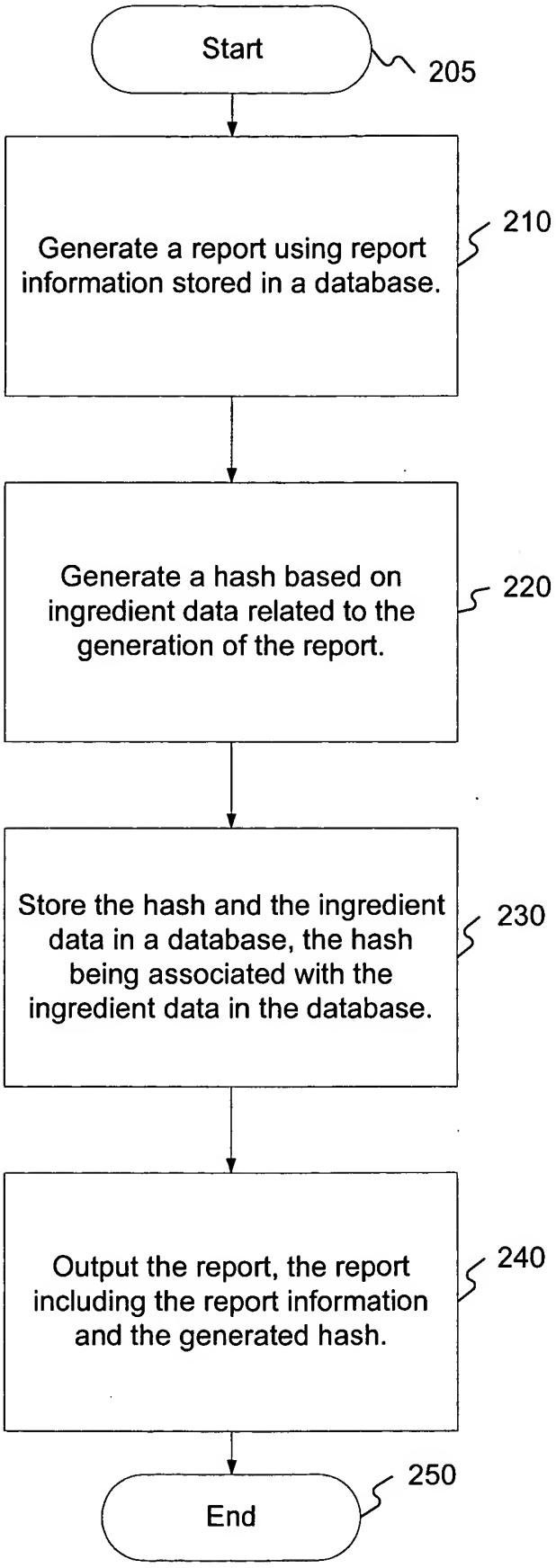
Start
205
Generate a report using report information stored in a database.
210
Generate a hash based on ingredient data related to the generation of the report.
220
Store the hash and the ingredient data in a database, the hash being associated with the ingredient data in the database.
230
Output the report, the report including the report information and the generated hash.
240
End
250

FIG. 2

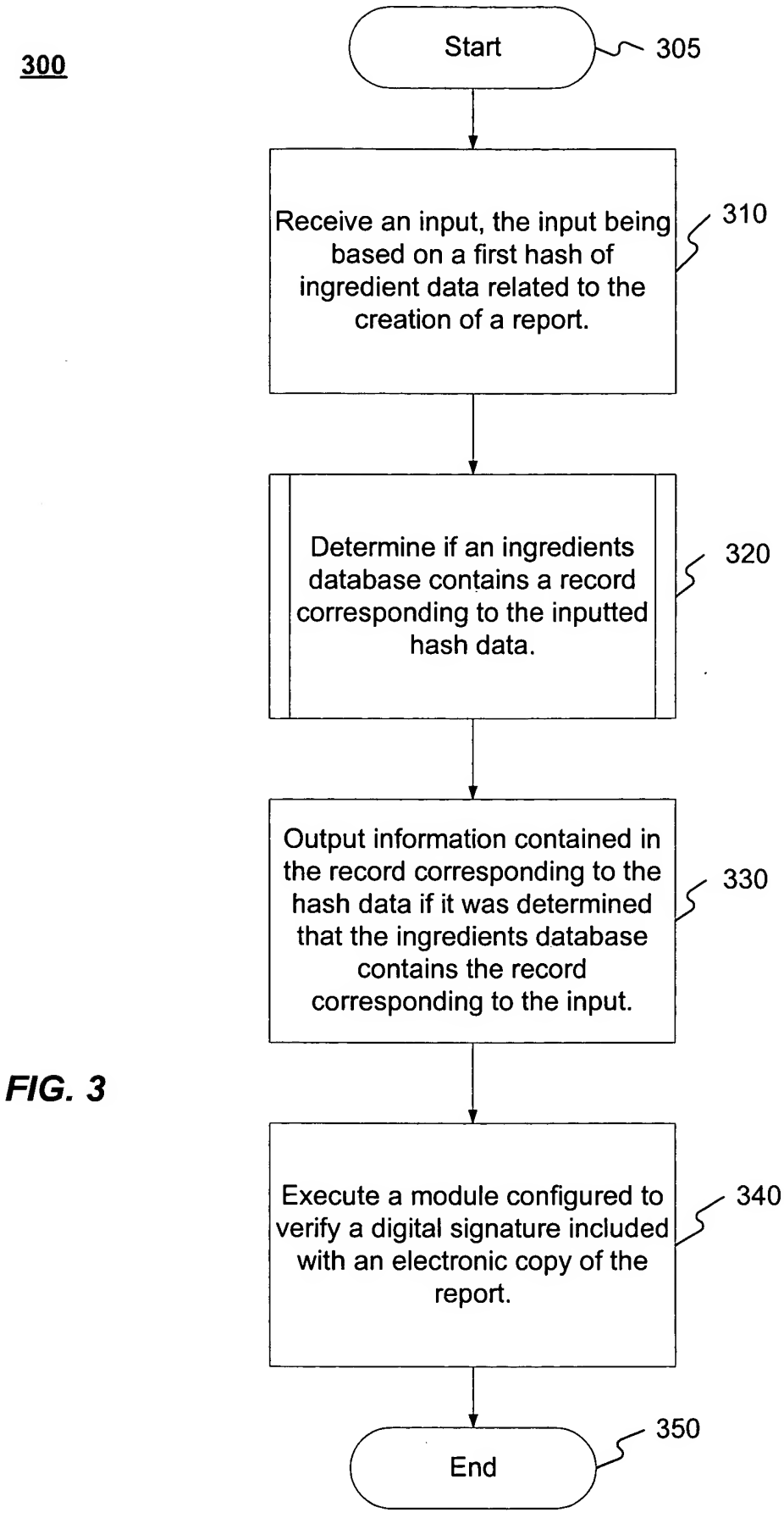
300
Start
305
Receive an input, the input being based on a first hash of ingredient data related to the creation of a report.
310
Determine if an ingredients database contains a record corresponding to the inputted hash data.
320
Output information contained in the record corresponding to the hash data if it was determined that the ingredients database contains the record corresponding to the input.
330
Execute a module configured to verify a digital signature included with an electronic copy of the report.
340
End
350

FIG. 3

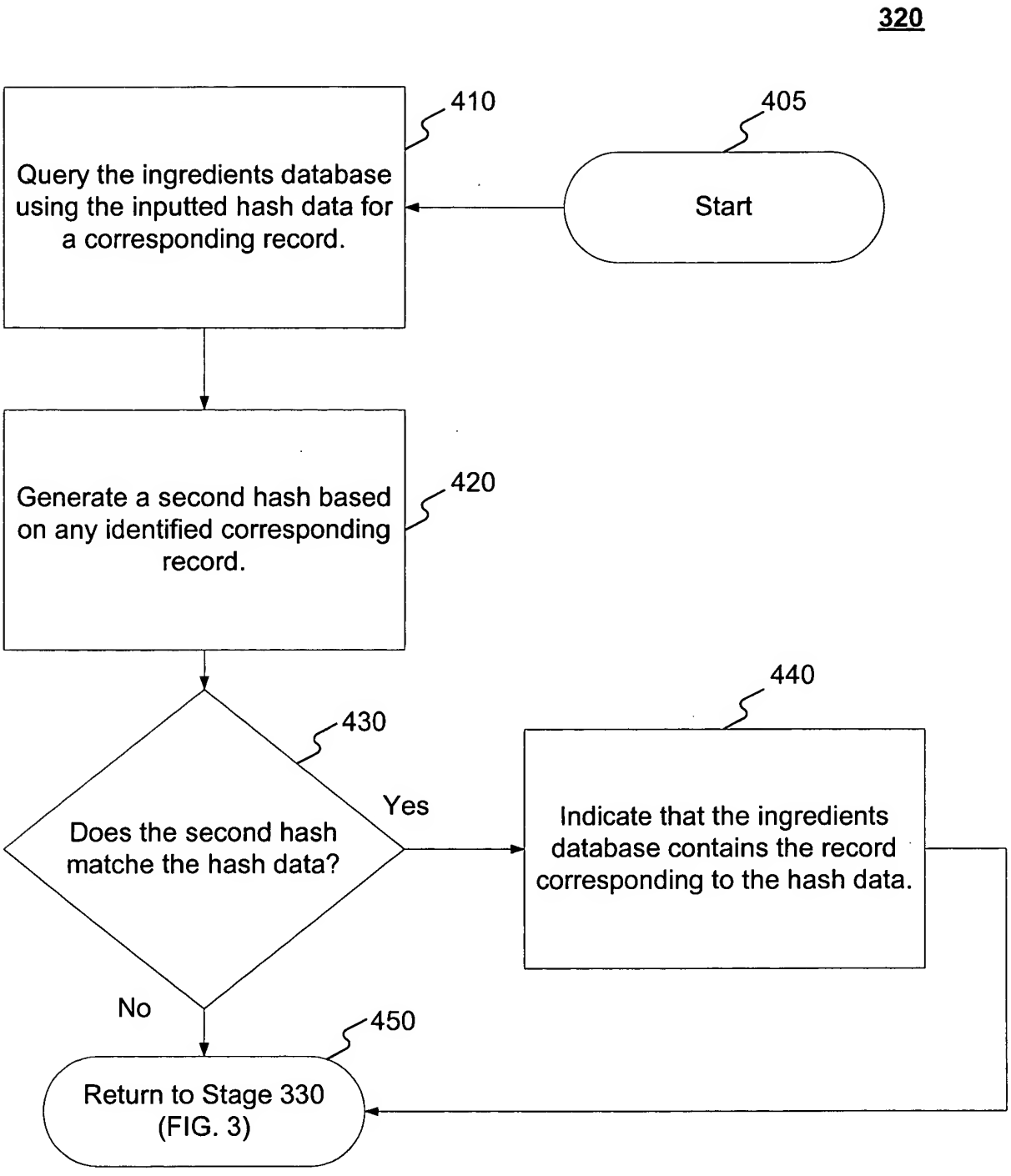
320
410
405
Query the ingredients database using the inputted hash data for a corresponding record.
Start
Generate a second hash based on any identified corresponding record.
420
440
430
Does the second hash matche the hash data?
Yes
Indicate that the ingredients database contains the record corresponding to the hash data.
No
450
Return to Stage 330 (FIG. 3)

FIG. 4